ABSTRACT OF THE DISCLOSURE

A partially crosslinked adhesive-supported porous film for battery separator, which in producing a battery, can effectively produce a battery as an electrode/separator laminate in which an electrode and a separator are temporarily bonded to each other without causing mutual slip movement between the electrode and the separator and which after producing a battery, functions itself as a separator having a small heat shrinkage factor even at high temperatures, and a process of producing a battery using such a partially crosslinked adhesive-supported porous film. The partially crosslinked adhesive-supported porous film for battery separator, includes a porous film substrate having supported thereon a partially crosslinked adhesive that is partially crosslinked by preparing a reactive polymer having a functional group in the molecule and capable of being crosslinked upon reaction with a polyfunctional compound having reactivity with the functional group and then reacting the reactive polymer with a polyfunctional compound.